

H SANJAY

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EDUCATION

Dayananda Sagar College of Engineering

BE – Computer Science and Engineering(Cyber Security)

CGPA: 9.183

2022-2026

TECHNICAL SKILLS

Languages: JavaScript/TypeScript, C++, C, Python, Java

Technologies/Frameworks: NodeJS, ExpressJS, NextJS, React, Redux, Bootstrap, Tailwind

Databases/Tools: MongoDB, MySQL, Git, GitHub, Docker, AWS, Postgresql

Security Tools: Wireshark, Nmap, Burpsuite

EXPERIENCE

SmartAriser

May 2024 - October 2024

Full Stack Developer : MERN, EJS, AWS

Internship : Bengaluru, India

- Built robust e-commerce applications using **React**, **EJS**, emphasizing **RESTful** architecture and efficient **CRUD** operations.
- Integrated MongoDB for data storage, adhering to **ACID** principles for integrity and scalability, and added **Razorpay** payment gateway for secure transaction processing. .
- Implemented **Redux** for state management in the application, reducing unnecessary re-renders and improving performance.

PROJECTS

Threat Sleuth | ExpressJS, NodeJS, NextJS | [Deployment](#) | [GitHub](#)

- Created a website and a Chrome extension to detect phishing URLs using machine learning .
- Developed an ML model to classify URLs as safe or phishing, deployed on Vercel with a website and Chrome extension for URL safety checks.
- Employed **Node.js** and **Express.js** for the backend of the extension, handling URL classification logic and integrating with the ml model for URL analysis.

Zer0 Chain Wallet | TypeScript, Python, Anon-Aadhaar, Lit Protocol, Socket Protocol, CDP AgentKit | [Devfolio](#) | [GitHub](#)

- Zer0chain Wallet is a **chain-agnostic**, **account-abstracted** wallet created to streamline Web3 user onboarding.
- Integrated **Anon Aadhaar** Zero-Knowledge proof protocol for secure and private user authentication.
- Integrated a Whatsapp bot with support for **Voice message** based wallet and transaction management.
- Utilized **Lit Actions** to enable secure signing and approval of high-value transactions.

PiiCrunch | ExpressJS, NodeJS, EJS, FastAPI, Docker, OpenCV, Pillow, Regex, Easyocr | [Deployment](#) | [GitHub](#)

- A tool to detect and redact **Personally Identifiable Information (PII)** from government-issued documents, enhancing data privacy and security.
- Developed a frontend dashboard and integrated it with backend that efficiently processes multiple document formats (images, PDFs, and DOCs) using **regex** patterns, **OCR**, and image processing libraries to accurately detect and redact PII.

ACHIEVEMENTS

- Won the **Base** prize pool at **EthIndia** 2024.
- Won **2nd Place** among 25+ other teams in PBCTF 3.0
- Won **2nd Place** among 25 other teams in Magnovite 2024 Hackathon- February 2024
- Won **4th Place** among 20 other teams in Future-Forge 2024 Hackathon- March 2024
- Won **track prize**(Open Innovation) among 18 other teams in SheCodes Hackathon- June 2024